

We claim:

1. An arrangement comprising a plastic piece and a metallic insert, of which the plastic piece comprises a fixing hole open at both ends for insertion of a securing screw to screw it to another part, and the metallic insert is designed as a cylindrical bush which can be inserted into the fixing hole of the plastic piece to limit the attachment forces applied to the plastic piece when it is screwed into place, wherein the plastic piece comprises a projection on the hole wall of the fixing hole and the metallic insert comprises at least one recess on its outer wall which interacts with the projection when the metallic insert is inserted into the fixing hole, in order to hold the metallic insert in the fixing hole of the plastic piece.
2. The arrangement according to Claim 1, wherein the projection of the plastic piece is a lug running in a circumferential direction.
3. The arrangement according to Claim 1, wherein the projection of the plastic piece has a triangular cross section.
4. The arrangement according to Claim 2, wherein the projection of the plastic piece extends over 360°.
5. The arrangement according to Claim 2, wherein the projection of the plastic piece lies in a radial level of the fixing hole which serves during manufacture of the plastic piece as a form separation level of a two-piece forming tool.
6. The arrangement according to Claim 2, wherein the projection of the plastic piece extends over less than 90°.
7. The arrangement according to Claim 6, wherein the projection of the plastic piece is provided at a flexible section of the hole wall of the plastic piece that serves during manufacture of the plastic piece for extracting a forming tool from the fixing hole.

8. The arrangement according to Claim 7, wherein the flexible section is formed by a void.
9. The arrangement according to Claim 1, wherein the projection of the plastic piece is arranged in the axial center of the fixing hole.
10. The arrangement according to Claim 1, wherein the projection of the plastic piece is offset sideways to the axial center of the fixing hole and is arranged with a gap between it and the axial ends of the fixing hole.
11. The arrangement according to Claim 1, wherein the projection of the plastic piece is arranged in one axial end of the fixing hole.
12. The arrangement according to Claim 1, wherein the recess of the metallic insert is a groove running in a circumferential direction with its shape matched to that of the projection.
13. The arrangement according to Claim 9, wherein the recess is arranged in the axial center of the metallic insert.
14. The arrangement according to Claim 10, wherein the recess is provided offset sideways to the axial center of the insert and a second recess is provided symmetrical to the axial center.
15. The arrangement according to Claim 11, wherein the recess is arranged at one or both ends of the metallic insert and consists of a chamfer in each case.
16. The arrangement according to Claim 1, wherein the recess consists of a reduced-diameter section of insert.
17. The arrangement according to Claim 1, wherein the metallic insert consists of a bush closed in the circumferential direction or axially split.

18. The arrangement according to Claim 1, wherein the plastic piece is an inlet manifold for an internal combustion engine.

19. A plastic piece for an arrangement with the plastic piece and a metallic insert, the plastic piece comprising a fixing hole open at both ends for insertion of a securing screw to screw it to another part, wherein the fixing hole is designed to receive the metallic insert to limit the attachment forces applied to the plastic piece when it is screwed into place, wherein the plastic piece further comprises a projection on the hole wall of the fixing hole for interacting with at least one recess on the outer wall of the metallic insert.

20. A metallic insert for an arrangement with a plastic piece and the metallic insert, wherein the metallic insert is designed as a cylindrical bush which can be inserted into a fixing hole of the plastic piece to limit the attachment forces applied to the plastic piece and the metallic insert comprises at least one recess on its outer wall which interacts with a projection of the plastic piece when the metallic insert is inserted into the fixing hole, in order to hold the metallic insert in the fixing hole of the plastic piece.